



(19).

Generated Document.

(11) Publication number:

61221670 A**PATENT ABSTRACTS OF JAPAN**(21) Application number: **59004858**(22) Application date: **17.01.84**(51) Intl. Cl.: **G01R 19/165 H02J 1/00**

(30) Priority:

(43) Date of application
publication: **02.10.86**(84) Designated contracting
states:(71) Applicant: **CANON INC**(72) Inventor: **KYOGOKU HIROSHI**

(74) Representative:

(54) PROTECTING CIRCUIT

(57) Abstract:

PURPOSE: To evade a thermal breakdown due to abnormal feeding to a heating resistor by comparing a voltage applied to a control circuit with a specific voltage and controlling a voltage applied to the heating resistor.

CONSTITUTION: The power circuit of a printer head is equipped with a switch circuit 8 which intermits the

voltage applied to the heating resistor 2 and a comparing circuit 9 which judges whether a voltage VCC applied to the control circuit 1 is normal or not between the downstream side of the 1st rectifying circuit 4 and the circuit 8. The circuit 8 consists of a transistor (TR), a switching TR, and a resistance and the circuit 9 consists of a Zener diode and a resistance. Those circuits 8 and 9 form a protecting circuit 10. Then even if a false signal is inputted when the voltage is unusable during power-on or power-off operation, or when the voltage can not be applied to the control circuit 10, the voltage applied to the heating resistor 2 is cut by the circuit 1 to prevent the heating resistor 2 from being broken down thermally.

COPYRIGHT: (C)1986,JPO&Japio



